

What is claimed is:

1. An image forming system comprising portable terminals and an image forming device, wherein

5 said portable terminals are each equipped with a wireless communication unit capable of wirelessly communicating with said image forming device; and

said image forming device comprises:

10 a wireless communication unit capable of wirelessly communicating with said portable terminals;

an identifying unit for identifying a portable terminal located closest to the image forming device out of portable terminals under wirelessly communicable conditions; and

15 a power saving control unit for performing power saving control for said image forming device in correspondence with the distance between the identified portable terminal and said image forming device.

20 2. The image forming system according to the claim 1, wherein

said identifying unit eliminates one or more portable terminals that do not moved for a predetermined time from objects of identification.

3. The image forming system according to the claim 1, wherein
said identifying unit eliminates one or more portable
terminals that move in directions away from said image forming
device from objects of identification.

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4. The image forming system according to the claim 1, wherein
said identifying unit has a usage history recognizing
component for recognizing usage history of said image forming
device for each portable terminal and eliminates one or more
portable terminals whose usage frequencies do not reach a
predetermined usage frequency from objects of identification.

5. An image forming device comprising:
a communication unit for communicating wirelessly with
a portable terminal; and

a controller executing the steps of:
obtaining distance between said portable terminal and
said image forming device based on result of communication
performed by said communication unit, and

performing power saving control for said image forming
device in accordance with the obtained distance.

6. The image forming device according to the claim 5, wherein
said communication unit is capable of communicating

multiple portable terminals;

said controller identifies a portable terminal located closest to the image forming device out of multiple portable terminals under conditions wirelessly communicable with said communication unit and performs power saving control for said image forming device in accordance with the distance between the identified portable terminal and said image forming device.

7. The image forming device according to the claim 6, wherein said controller eliminates one or more portable terminals that do not move for a predetermined time from objects of identification.

8. The image forming device according to the claim 6 further comprising a fusing unit, wherein

said power saving control is temperature control for said fusing unit.

9. A control method for an image forming device comprising the steps of:

- 1) wirelessly communicating with a portable terminal;
- 2) obtaining distance between said portable terminal and said image forming device based on said communication

result; and

3) performing power saving control for said image forming device in accordance with the distance obtained in said step 2).

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10. The control method according to the claim 9, wherein said step 1) comprises communicating with multiple portable terminals; and

10 said step 2) comprises identifying a portable terminal located closest to the image forming device out of multiple portable terminals under wirelessly communicable conditions, and obtaining distance between the identified portable terminal and said image forming device.

15 11. The control method according to the claim 10, wherein said step 2) comprises eliminating one or more portable terminals that do not move for a predetermined time from objects of identification.

20 12. The control method according to the claim 9, wherein said image forming device has a fusing unit; and said power saving control is temperature control for said fusing unit.

13. A control program for an image forming device, wherein
said program causing a computer to execute the steps
of:

1) wirelessly communicating with a portable terminal;
2) obtaining distance between said portable terminal
and said image forming device based on said communication
result; and

3) performing powersaving control for said image forming
device in accordance with the distance obtained in said step
2).

14. The control program according to the claim 13, wherein
said step 1) comprises communicating with multiple
portable terminals; and

said step 2) comprises identifying a portable terminal
located closest to the image forming device out of multiple
portable terminals under wirelessly communicable conditions,
and obtaining distance between the identified portable
terminal and said image forming device.

15. The control program according to the claim 14, wherein
said step 2) comprises eliminating one or more portable
terminals that do not move for a predetermined time from objects
of identification.

16. The control program according to the claim 13, wherein
said image forming device has a fusing unit; and
said power saving control is temperature control for
5 said fusing unit.

17. An image forming system comprising an image forming
device, portable terminals and a control device for
controlling said image forming device, wherein

10 said portable terminals are each equipped with a wireless
communication unit capable of wirelessly communicating with
said control device; and

said control device comprises:

a wireless communication unit capable of wirelessly
15 communicating with said multiple portable terminals;

an identifying unit for identifying a portable
terminal of a preregistered user out of portable terminals
under wirelessly communicable conditions; and

a power saving control unit for performing power
20 saving control for said image forming device in correspondence
with the distance between the identified portable terminal
and said image forming device.

18. The image forming system according to the claim 17

comprising multiple image forming devices, wherein

said power saving control unit provided in said control device changes said power saving control's contents in accordance with each image forming device's usage frequency.

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19. The image forming system according to the claim 17, wherein

said image forming device comprises a fusing unit ; and

said power saving control is temperature control for

10 said fusing unit.

20. A control device for controlling an image forming device comprising:

a communication unit for wirelessly communicating with

15 a portable terminal; and

a controller executing the steps of:

obtaining distance between said portable terminal and said image forming device based on result of communication performed said communication unit; and

20 performing power saving control for said image forming device in accordance with the obtained distance.

21. The control device according to the claim 20, wherein said communication unit is capable of communicating with

multiple portable terminals; and

said controller identifies a portable terminal of a
preregistered user out of multiple portable terminals under
conditions wirelessly communicable with said communication
5 unit and performs power saving control for said image forming
device in correspondence with the distance between the
identified portable terminal and said image forming device.

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22. The control device according to the claim 20, wherein
10 said image forming device has a fusing unit; and
said power saving control is temperature control for
said fusing unit.